

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) An engine control system in a vehicle comprising:
a variable displacement internal combustion engine;
a controller for controlling the displacement of said variable displacement internal combustion engine;

wherein said controller adaptively determines a torque threshold used to switch the variable displacement internal combustion engine between a partially displaced operating mode and a fully displaced operating mode based on a time the variable displacement internal combustion engine operates in said partially displaced operating mode.

2. (Original) The engine control system of Claim 1 wherein said variable displacement internal combustion engine is a gasoline engine.

3. (Original) The engine control system of Claim 1 wherein said variable displacement internal combustion engine includes at least six cylinders.

4. (Original) The engine control system of Claim 1 wherein said variable displacement internal combustion engine is an eight-cylinder engine.

5. (Original) The engine control system of Claim 1 further comprising a brake pedal sensor electronically coupled to said controller.

6. (Cancelled)

7. (Currently Amended) A method of controlling the displacement of a variable displacement internal combustion engine comprising the steps of:

measuring a variable indicative of torque for the variable displacement internal combustion engine;

determining a time the variable displacement engine operates in a partially displaced operating mode; and

adaptively modifying a torque threshold to vary the displacement of the variable displacement internal combustion engine based on said time.

8. (Cancelled)

9. (Currently Amended) A method of controlling the displacement of a variable displacement internal combustion engine comprising the steps of:

measuring a engine intake manifold vacuum for the variable displacement internal combustion engine; and

adaptively modifying a vacuum threshold to vary the displacement of the variable displacement internal combustion engine based on a time the variable displacement engine operates in a partially displaced operating mode.

10. (Cancelled)